

ABSTRACT OF THE DISCLOSURE

[0024] A method for producing a molded flip chip package is described. The incomplete flip chip package comprising a thin substrate and a silicon chip is placed in a mold. A resin, such as an epoxy, is injected into the mold filling the gap between the surface of the flip chip and the adjacent substrate. Additionally, a stiffening structure is formed to increase the overall rigidity of the thin substrate specifically and the package as a whole.